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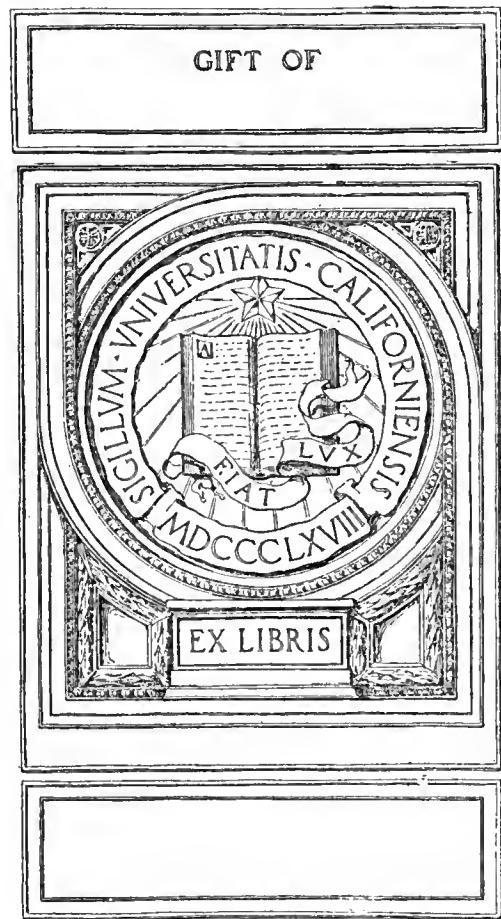
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Grade crossings MAR 28 1915

Library  
Bureau of Railway  
Economics

LIBRARY  
CALIFORNIA

List of References on Grade Crossings

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Fontaine continuous rail crossing.

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Locke, A. W., J. W. Rollins & F. H. Snow.

Abolition of grade crossings between railroads and highways.  
(Association of engineering societies, May 1895, p.422-46)

Webber, William O.

Modern problem of grade crossings.

(Engineering magazine, June 1895, p.1034-50)

Distinguishes five methods of grade separation and gives  
Photographs to illustrate the same. Considers elevation  
vs depression, masonry vs. iron bridges and costs of  
grade separation.

Protecting of level crossings.

(Engineering, Feb. 5, 1897)

Crossing protection between electric and steam railways.

(Railway review, v.37: 176; Mar. 27, 1897)

Extract from report of the Commissioners of Massachusetts,  
showing dangerous conditions and suggested remedies.

Locke, Franklin B.

Railway crossings in Europe and America.

(Century magazine, v.34: 92-107; May 1898)

Railway and engineering review [Editorial]

Steam and electric railway crossings.

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Based upon accident at Cohoes, N.J., showing the importance  
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derails.

Mordecai, Augustus.

Grade crossings.

(Association of engineering societies journal, Dec. 1899)

Brief discussion of the rights of parties interested  
and the justice each should be awarded

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DAMON

1920-21 1921-22 1922-23  
1923-24 1924-25 1925-26

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Grade crossings-2)

GENERAL (cont.)

Crossings of steam and electric railways. Report of the A.R.E. & M. of W. association, relating to the safety of highway surface crossings of railways.  
(Street railway review, Apr. 15, 1901)

Abolition of railroad crossings at grade.  
(Municipal engineering, Aug. 1901: 60-68)

National association of railway commissioners.

Report of the committee on grade crossings and trespassing on railroads.  
(In its Proceedings, 1901-date)

Zueblin, Charles.

Abolition of grade crossings.  
(Municipal affairs, v.5: 817-28; 1902)

Baker, W. N.

Elimination of grade crossings.  
(Municipal engineer and sanitation, 1902: 29-32)

Barnes, Charles R.

Steam and electric railway crossings.  
(Street railway journal, Oct. 17, 1903)

Discusses grade crossing accidents and the best protection when the crossing is at grade.

Grade crossing protection between steam and electric railway.

(Railway age, v.37: 187-88; Feb. 5, 1904)

Describes the means of protection adopted by the Public Service Corporation of New Jersey.

Loree, L. F.

The grade crossing problem.  
(Roadmaster and foreman, May 1900: 10)

U.S. Interstate commerce commission.

Statistics of elimination of grade crossings in the various states. 1908.

North central association of railroad commissioners.

Report of committee on grade crossings and on trespassing on railroads, with compilation of statutes thereon. 1908.  
(In its Proceedings, p.12-86)

Tratman, Edward E. R.

Railway track and track work. New York, 1908.  
Grade crossings, p. 154-62.

Chidsey, A. D., jr.

Grade crossing elimination.  
(Engineering news, Apr. 1, 1909)

Gives tabular statement of the status of grade crossing elimination in states and cities, compiled by the Interstate commerce commission.

Pfeifer, H. J.

Grade crossings,

(St. Louis railway club, Proceedings, May 14, 1909, p.12-28)

Considers forms of structure required in elimination of grade crossings, elements of cost and apportionment of cost. Followed by discussions by various engineers.

New York. Public service commission, First district.

Review of grade crossing elimination; digest and bibliography.  
Report to commissioners by Robert H. Whitten, ... 1910.

(Date) 10/17/01

1. A 60" x 100" rectangular panel is to be made to fit into a rectangular opening in a floor slab. The opening is 5' 10" wide by 10' 0" long. The panel is to be made of 1/2" thick, 4' x 8' sheet metal.

2. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

3. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

4. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

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11. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

12. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

13. The panel is to be painted with a paint which is to be applied in two coats. The first coat is to be applied with a roller and the second with a brush.

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Grade separation.

(Canadian engineer, May 13, 1910)

Clearance and grade requirements for carrying highways over or under railway lines.

(Engineering news, July 21, 1910)

Extract of paper before Canadian society of civil engineers, Mar. 18, 1910.

Same in Engineering-contracting, Aug. 17, 1910.

Some problems of grade crossing elimination.

(Municipal engineering, Aug. 1910)

Grade revision and terminal work on the Chicago great western.

(Railway age gazette, v.50: 1108-11; May 12, 1911)

Whitten, Robert H.

Methods of railway and street grade separation in cities.

(Engineering and contracting, Oct. 25, 1911)

Treacher, E.

The construction of crossings.

(Permanent way institution, journal, Dec. 1911: 439)

Tyrrell, Henry Grattan.

Grade elimination and bridges.

(Canadian engineer, May 23, 1912)

Describes methods of track elevation and bridges.

Grade crossing question.

(Municipal engineering, July 1912)

Summary of court decisions.

Himes, Albert J.

Elimination of grade crossings.

(Cleveland engineering society, journal, v.5: 149-55; Nov. 1912)

Hoffmann, Robert.

Railway grade crossing elimination, viewed from the city's standpoint.

(Cleveland engineering society, journal, v.5: 145-48; Nov. 1912)

Striebinger, Frederic William.

Embellishment of railroad crossings.

(Cleveland engineering society, journal, v.5: 161-66; Nov. 1912)

Tinker, George H.

Grade elimination and railroad bridges.

(Cleveland engineering society, journal, v.5: 156-60; Nov. 1912) B

Fox, Edward Lyell.

You and grade crossings, showing how railroad grade crossings endanger your life every time you walk or drive across a railroad and what is being done about it.

(Pearson's magazine, v.28: 101-07; Nov. 1912) B, LC, NY.

Independent [Editorial]

Railroad crossings at grade.

(Independent, v.74: 73-74; Jan. 9, 1913) B, LC, NY.

St. Louis public library.

Grade crossing elimination in American cities.

(In its monthly bulletin, July 1913, p. 157-74.

Reprinted in Railway and engineering review, v.53: 1148-50; Dec. 13, 1913. Editorial comment, p. 1152.

Scientific American [Editorial]

The grade-crossing scandal.

(Scientific American, v.109: 62; July 26, 1913) B.

18. 11. 1900. *Leptodora* sp. (L.)  
(*Leptodora* sp. (L.) *leptodora* (L.)

(See also [Information](#) section for additional help on editing)

REBATE TO VEHICLE MANUFACTURERS  
FOR USED BUS RETURNCODE 5000  
(\$121.63 PSU RETURNCODE 5000)  
REBATE TO RETURNCODE 5000 TO STANDARD POSITION

weiteren Vierseitenblatt  
oder vieler Vierseitenblätter  
oder vieler Vierseitenblätter

(affiliates of the *Journal of the American Medical Association* and *Journal of the American Dental Association*)

Uganda and now being established. visitors there were  
(BISHOP OF EAST AFRICA, LONDON, ENGLAND, PREPARING TO LEAVE FOR UGANDA)

• nothing to add but to thank you for your kind  
• Gathering with old friends (mainly women)

After the robbery, the police and the FBI conducted a thorough search for any evidence that might have been left on or near where the robbery took place. (See *Exhibit 1* for a detailed description of the robbery scene.)

2010-01-01 10:00:00 2010-01-01 10:00:00

Discrepancy between the two methods  
of calculating the average number of  
days between the first and last day of  
the month.

Grade crossings-4)

GENERAL (cont.)

Journal of commerce [Editorial]

Unguarded railroad crossings.

(Journal of commerce, Aug. 7, 1913, p.4, col.3) B.

Whiting, Frank V.

Stop, look, listen.

(Outlook, v.104: 927-33; Aug. 23, 1913) B,LC,NY.

Grade crossings and automobiles.

(Railway age gazette, v.55: 360-62; Aug. 29, 1913)

Earle, W. C.

Grade crossing accidents predominate.

(Public service regulation, v.2: 601; Nov. 1913) B.

Grade separation law and requirements. Abstract of 27 state laws  
and discussion of practice...

(Railway age gazette, v.55: 1118-21; Dec. 12, 1913)

Railway age gazette [Editorial]

Grade separation laws.

(Railway age gazette, v.55: 1109-10; Dec. 12, 1913)

Oscillating grade crossing signal.

(World's work, v.27: 475; Feb. 1914) B,LC,NY.

Arnold, Bion J.

City transportation - subways and railroad terminals.

(Western society of engineers, journal, v.19: 325-68; Apr. 1914)

Railway age gazette [Editorial]

Carelessness as a cause of grade crossing accidents.

(Railway age gazette, v.56: 974-75; May 1, 1914)

Estep, H. C.

The cost of grade separation.

(Railway age gazette, v.56: 1532-33; June 19, 1914)

Hansel, C.

Protection of grade crossing of steam railroads with electric  
railways. n.d. MIT.



Grade crossings-5)

ALABAMA  
Birmingham.

Aylett, Philip.

Track depression of the Seaboard Air Line railway at Birmingham, Ala.  
(Engineering news, v.60: 351-54; Oct. 1, 1908)

CALIFORNIA

California. Board of railroad commissioners.

Suggestion that board should have right to regulate speed of trains at crossings, and to compel erection of bells at same...

(In its biennial report, 1895/6: 57)

Los Angeles

Los Angeles. Board of public utilities.

Elimination of grade crossings.

(In its Annual report, 1910: 128-37)

CONNECTICUT

Hartford

Hartford. Department of engineering.

Grade crossings.

(In its Annual report, 1908)

DELAWARE

Delaware. Legislature. House.

Report of committee on private corporations relative to placing gates at highway crossings of railroads.

(House journal, Jan. 1885: 697-98)

Wilmington

Righter, H. S.

Elevating tracks of the Philadelphia, Baltimore and Washington railroad through Wilmington, Del.

(Engineers club of Philadelphia, Proceedings, Oct. 1908: 331-37)

ILLINOIS

Illinois. Railroad and warehouse commission.

Circular addressed under date of Aug. 10, 1871 to several county surveyors of the state, relative to carrying out provisions of act in force Mar. 31, 1869, concerning railroad crossings.  
(In its First annual report, 1870/1: 168)

Illinois. Railroad and warehouse commission.

The crossing law of 1889.

(In its Annual report, 1888/9: 16)

Illinois. Railroad and warehouse commission.

Interlocking and derailing devices; rules adopted by commission; plan and construction of interlocking and derailing devices to be used at grade-crossings of intersecting lines of railroads in Illinois must be arranged to comply with certain rules.  
(In its Annual reports, 1888/9-1890)

Illinois. Railroad and warehouse commission.

Crossings and equipments; statement of crossings equipped with interlocking and signaling devices.  
(In its Annual report, 1889-90: 16-18)

Illinois. Laws, statutes, etc.

Crossings and drawbridges; act to amend sec. 1 of act relative to dangers incident to railroad crossings on same level, approved June 3, 1887.

(In Illinois. Railroad and warehouse commission, Annual report, 1890/1: 195)

Illinois. Railroad and warehouse commission.

Rules of practice in crossing and interlocking cases.  
(In its Annual reports, 1890/1-date)

2. 5. 1978

be on tomorrow. I am sorry to say, I am not well.

כתר אַשְׁרָה

ESTATE PLANNING

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2022240-2022241. 2022241-2022242. 2022242-2022243. 2022243-2022244. 2022244-2022245. 2022245-2022246. 2022246-2022247. 2022247-2022248. 2022248-2022249. 2022249-2022250. 2022250-2022251. 2022251-2022252. 2022252-2022253. 2022253-2022254. 2022254-2022255. 2022255-2022256. 2022256-2022257. 2022257-2022258. 2022258-2022259. 2022259-2022260. 2022260-2022261. 2022261-2022262. 2022262-2022263. 2022263-2022264. 2022264-2022265. 2022265-2022266. 2022266-2022267. 2022267-2022268. 2022268-2022269. 2022269-2022270. 2022270-2022271. 2022271-2022272. 2022272-2022273. 2022273-2022274. 2022274-2022275. 2022275-2022276. 2022276-2022277. 2022277-2022278. 2022278-2022279. 2022279-2022280. 2022280-2022281. 2022281-2022282. 2022282-2022283. 2022283-2022284. 2022284-2022285. 2022285-2022286. 2022286-2022287. 2022287-2022288. 2022288-2022289. 2022289-2022290. 2022290-2022291. 2022291-2022292. 2022292-2022293. 2022293-2022294. 2022294-2022295. 2022295-2022296. 2022296-2022297. 2022297-2022298. 2022298-2022299. 2022299-2022300. 2022300-2022301. 2022301-2022302. 2022302-2022303. 2022303-2022304. 2022304-2022305. 2022305-2022306. 2022306-2022307. 2022307-2022308. 2022308-2022309. 2022309-2022310. 2022310-2022311. 2022311-2022312. 2022312-2022313. 2022313-2022314. 2022314-2022315. 2022315-2022316. 2022316-2022317. 2022317-2022318. 2022318-2022319. 2022319-2022320. 2022320-2022321. 2022321-2022322. 2022322-2022323. 2022323-2022324. 2022324-2022325. 2022325-2022326. 2022326-2022327. 2022327-2022328. 2022328-2022329. 2022329-2022330. 2022330-2022331. 2022331-2022332. 2022332-2022333. 2022333-2022334. 2022334-2022335. 2022335-2022336. 2022336-2022337. 2022337-2022338. 2022338-2022339. 2022339-2022340. 2022340-2022341. 2022341-2022342. 2022342-2022343. 2022343-2022344. 2022344-2022345. 2022345-2022346. 2022346-2022347. 2022347-2022348. 2022348-2022349. 2022349-2022350. 2022350-2022351. 2022351-2022352. 2022352-2022353. 2022353-2022354. 2022354-2022355. 2022355-2022356. 2022356-2022357. 2022357-2022358. 2022358-2022359. 2022359-2022360. 2022360-2022361. 2022361-2022362. 2022362-2022363. 2022363-2022364. 2022364-2022365. 2022365-2022366. 2022366-2022367. 2022367-2022368. 2022368-2022369. 2022369-2022370. 2022370-2022371. 2022371-2022372. 2022372-2022373. 2022373-2022374. 2022374-2022375. 2022375-2022376. 2022376-2022377. 2022377-2022378. 2022378-2022379. 2022379-2022380. 2022380-2022381. 2022381-2022382. 20

175. The following is a list of the names of the  
members of the same families, with the names  
of their parents, and the names of the  
families to which they belong.

1. *Chlorophytum comosum* (L.) Willd. (syn. *Chlorophytum Topinambur* (L.) Willd.)

Grade crossings-6)

ILLINOIS (cont.)

Illinois. Railroad and warehouse commission.

Letter concerning protection of crossings on the Lake Erie and western railway.

(In its Annual report, 1891/2: 310-11)

Illinois. Railroad and warehouse commission.

Table showing crossings equipped with interlocking and signaling devices.

(In its Annual reports, 1891/2-1897/8)

Illinois. Railroad and warehouse commission.

Railroad map of Illinois, with list of crossings equipped with interlocking and signaling devices approved by the commission.

(In its Annual report, 1893/4)

Illinois. Railroad and warehouse commission.

Interlocking devices; installation of ... for protection of trains at railway crossings.

(In its Annual reports, 1893/4-1895)

Illinois. Railroad and warehouse commission.

Crossing petitions filed by railroads.

(In its Annual report, 1896/7: vii-viii)

Illinois. Railroad and warehouse commission.

Street railroad crossings.

(In its Annual reports, 1896/7-1897/8)

Illinois. Railroad and warehouse commission.

For legislation relative to railroad crossings.

(In its Annual report, 1897/8: xii)

Illinois. Railroad and warehouse commission.

Whenever a new highway crossing is to be constructed across a railroad, law should provide that a railroad commission determine the manner, mode and place of such crossing.

(In its Annual report, 1897/8: xi)

Illinois. Railroad and warehouse commission.

Statement of interlocking devices at crossings, junctions and drawbridges on account of which permits have been issued by commission up to December 1st.

(In its Annual reports, 1898/9-date)

Illinois. Railroad and warehouse commission.

Grade highway crossings; recommendation.

(In its Annual report, 1900/1: 4)

Illinois. Railroad and warehouse commission.

State supervision of both electric and steam roads relative to indiscriminate construction of grade crossings, recommended by engineer.

(In its Annual report, 1902/3: 45)

Illinois. Attorney general.

Opinion: power of railroad and warehouse commission over crossings in and out of cities.

(In his Biennial report, 1903/4: 413-25.

See also Railroad and warehouse commission, annual report, 1903/4: 27-36.

State and railroad officials to unite against crossing accidents.

(Railway record, v.5: Oct. 11, 1913: 1, 5) B.

### Geometric diagrams

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• 1990 referat, trecut la numărul eti (II)

1965-66 學年第一學期 基督教中學  
學生會執行委員會報告書

that it may be necessary to tell the officials of your Consulate  
about the foreign country in which the individual  
(A) ~~and~~ (B) ~~and~~ (C) ~~and~~ (D) ~~and~~ (E) ~~and~~ (F) ~~and~~ (G) ~~and~~ (H) ~~and~~ (I) ~~and~~ (J) ~~and~~ (K) ~~and~~ (L) ~~and~~ (M) ~~and~~ (N) ~~and~~ (O) ~~and~~ (P) ~~and~~ (Q) ~~and~~ (R) ~~and~~ (S) ~~and~~ (T) ~~and~~ (U) ~~and~~ (V) ~~and~~ (W) ~~and~~ (X) ~~and~~ (Y) ~~and~~ (Z)

...and many species are described. *Chloridion*  
is mentioned, and the following species are described.  
- *Chloridion* *variegatum* *var. *variegatum**  
(*variegatum*) *variegatum* *var. *variegatum**

жизнью и здоровьем. Так, в частности, в 1950 году в СССР было выдано 100 000 000 прописок (из них 50 000 000 - в селах). Всего же в СССР в 1950 году было 100 000 000 прописок.

• *Leptolebias aequitrans* Brachetti 1973  
• *Leptolebias aequitrans* Brachetti 1973  
• *Leptolebias aequitrans* Brachetti 1973

Established procedures for identifying and assessing  
the potential of existing institutions to  
(fix x/1981, three years and six months)

animal kingdom, and differs from the ordinary *Microtus* in that it appears to be peculiarly adapted to tremulous life, and even when it is taken no apprehension of danger seems to affect it, as it remains perfectly quiet (see also *Travels in the U.S.* p. 111).

...volcánico en su cima, basa la cumbre y se eleva  
en su parte norte, que toca la cordillera de los  
Andes, a 5.000 msnm, y que es la cumbre más alta  
de la cordillera de los Andes.

Grade crossings-7)

ILLINOIS (cont.)

Alton

Illinois. Railroad and warehouse commission.

Petition to determine place and manner of crossings in the city of Alton; The Chicago & Alton railroad company, petitioners, vs. Alton railway and illuminating company, respondents.  
(In its Annual report, 1895/6: 342-46)

Arcola.

Illinois. Railroad and warehouse commission.

Petition for order for interlocking plant at Arcola, by Illinois central railroad company and Terre Haute and Indianapolis railroad company.  
(In its Annual report, 1898/9: xxxiii)

Belleville.

Illinois. Railroad and warehouse commission.

Southern railway company vs. Louisville and Nashville railroad company; petition for protection of crossing near Belleville.  
(In its Annual report, 1903/4: 25-26)

Carlinville.

Illinois. Railroad and warehouse commission.

Complaint re right of St. Louis & Springfield railway company to cross right of way and railroad main tracks of Chicago & Alton railroad company by means of a subway or undercrossing, at Carlinville, Ill.  
(In its Annual report, 1903/4: 22-23)

Casen.

Illinois. Railroad and warehouse commission.

Petition for crossing at Casen; St. Louis, Vandalia and Terre Haute railroad company vs. Indianapolis, Decatur and western railway company.  
(In its Annual report, 1898/9: xxviii)

Chicago

Illinois. Railroad and warehouse commission.

Petition to determine place of crossing; the Chicago, Madison & Northern railroad company, petitioner vs. Belt railway company of Chicago and Chicago & western Indiana railroad company, respondents.  
(In its Annual report, 1888/9: 186-95)

Illinois. Railroad and warehouse commission.

Petition to determine place and mode of crossing; the Chicago, Madison & northern railroad company, petitioners, vs. the Chicago & western Indiana railroad company, and Pittsburgh, Fort Wayne & Chicago railway company, respondents.  
(In its Annual report, 1889/90: 241-47)

Some railroad crossings at Chicago. [with map]  
(Railroad gazette, v.23: 282; Apr. 24, 1891)

Chicago terminal commission.

Reports, May 12 and July 11, 1892.

Contains a discussion of right of city to compel track elevation at the expense of the companies.

Chicago grade crossing question.

(Engineering news, July 21, 1892)

Track elevation Chicago & northwestern railway in Chicago.

(Engineering news, Aug. 20, 1896)

Chicago. Ordinances

Railroads, track elevation.

(In Chicago, Special ordinances, 1898: v.2: 740-846)



Grade crossings, etc.

ILLINOIS (cont.)

Chicago (cont.)

Evans, Louis H.

Track elevation of the Chicago & northwestern railway.  
(Western society of engineers, journal, Oct. 1898: 1227-68)

Coverdale, W. H.

Track elevation of the Pittsburgh, Fort Wayne & Chicago railway.  
(Western society of engineers, journal, Dec. 1898: 1341-98)

Illinois. Railroad and warehouse commission.

Statement pertaining to elevation and depression of steam railroads in Chicago.  
(In its Annual report, 1898/9: xlili-xliv)

Chicago. Department of track elevation.

Annual reports, 1903-

Chicago. Department of public works.

Annual reports, 1903-

These reports contain an account of the work of track elevation costing \$55,000,000 which is being carried on entirely at the expense of the railroad companies in compliance with city ordinances.

Track elevation of the Chicago & western Indiana through the city of Chicago.

(Railway age, v.39: 387-94; Mar. 24, 1905)

Track elevation on the Chicago & northwestern railway in Chicago.  
(Engineering news, Sept. 7, 1905)

Kinzie street elevation of the Chicago & northwestern, Chicago.  
(Railroad gazette, v.39: 442-45; Nov. 10, 1905)

Chicago. City council.

Two ordinances for the elevation of the tracks of certain railroad companies in Chicago. Passed June 25, 1906, Sept. 3, 1907.  
(In its Proceedings, 1906: 1006-43; 1907: 1488-1516)

Sample track elevation ordinance. Entire cost of elevation borne by the railroad companies.

Fortieth street track elevation of the Chicago junction railway.  
(Engineering record, July 13, 1907)

City of Chicago vs. Illinois central railroad. Illinois Supreme court, June 18, 1908.  
(Northwestern reporter, v.85: 606-09; Oct. 23, 1908)

New Chicago approaches, Chicago & northwestern railway.  
(Engineering record, Aug. 28; Sept. 4, 1909)

Chicago. Track elevation department.

Track elevation within the corporate limits of the city of Chicago to December 31, 1908. Chicago, 1909. 1061 p.

Track elevation in Chicago.

(Engineering record, v.59: 679-82; May 29, 1909)

Review of track elevation in Chicago.

(Engineering news, June 3, 1909)

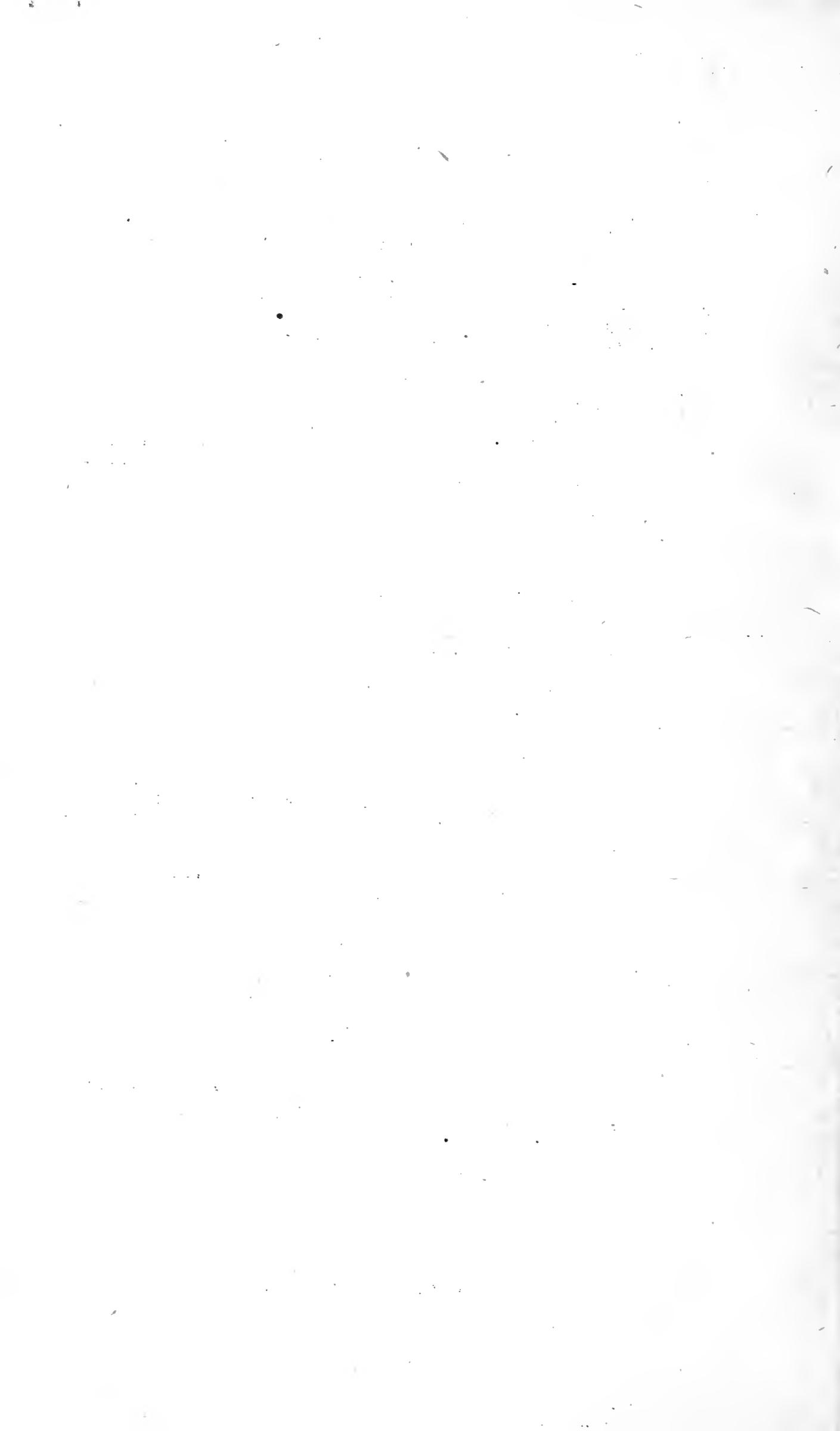
Special track elevation bridges in Chicago.

(Engineering record, v.60: 549-50; Nov. 13, 1909)

Method and cost of depositing concrete by chuting on track elevation at Grand Crossing, Chicago.  
(Engineering-contracting, Oct. 5, 1910)

Chicago. Track elevation department.

Track elevation within the corporate limits of the city of Chicago. January 1, 1909 to June 30, 1911. Chicago, 1911.



Grade crossings-9)

ILLINOIS (cont.)

Chicago (cont.)

Ford, R. H.

Track elevation in Chicago.

(Rock Island employes magazine, v.8: Aug. 1914: 14-22) B.

Cohokia.

Illinois. Railroad and warehouse commission.

Petition to determine place of crossing at Cohokia, Ill; the Belleville city railway company, petitioner vs. the Louisville, Evansville & St. Louis consolidated railroad company, respondents.

(In its Annual report, 1893/4: 306-09)

Illinois. Railroad and warehouse commission.

Chicago & northwestern railway company, petitioners, vs. Wisconsin central railway company, respondent; complaint before board of commissioners relative to protection by interlocking of crossing of tracks of petitioners by respondent at Des Plaines.

(In its Annual report, 1903/4: 24)

Evanston

Evanston. Ordinances.

Railway grade crossings ordinances for Evanston, Ill. 1905, 1907, 1909.

Greifenhagen, E. O.

Evanston track elevation, Chicago, Milwaukee & St. Paul railway.

(Engineering record, Jan. 22, 29; Feb. 5, 1910; pp. 101-03; 123-25; 160-62)

Freeport.

Illinois. Railroad and warehouse commission.

Complaint before commission. Chicago, Milwaukee & St. Paul railway company vs. A. P. & A. J. Goddard and the Freeport General electric company; crossing case.

(In its Annual report, 1900/1; 18-21)

Green Valley.

Illinois. Railroad and warehouse commission.

Petition to cross at grade at Green Valley - St. Louis, Peoria & northern railway company vs. Peoria, Decatur & Evansville railroad company.

(In its Annual report, 1897/8: 172-75)

Illinois. Railroad and warehouse commission.

St. Louis, Peoria & northern railway company vs. Peoria, Decatur & Evansville railway company - petition to cross at grade at Green Valley.

(In its Annual report, 1897/8: 194-95)

Hawthorne

Illinois. Railroad and warehouse commission.

The Chicago & Alton railroad company vs. the Chicago & western Indiana railroad company, the Belt railway company of Chicago lessee, and the Atchison, Topeka & Santa Fe railroad company. Petition no. 1 - protection of crossing near Hawthorne; order of the commission.

(In its Annual report, 1891/2: 252-57)

Also separately printed, 11 p.

Jacksonville

Illinois. Railroad and warehouse commission.

Protection of crossing; the Chicago, Peoria & St. Louis railway company, the Chicago & Alton company, the Wabash railroad company; citation no. 4 - protection of crossing at Jacksonville junction.

(In its Annual report, 1891/2: 249-52)

Also separately printed, 7 p.

(20-706-13) 1000

Grade crossings-10)

ILLINOIS (cont.)

Joliet

Joliet. Ordinances.

Grade crossing ordinances. No. 2219. City of Joliet, 1906.

53 p.

Grade separation in Joliet, Ill.

(Railway age gazette, v.48: 627-29; Mar. 16, 1910)

Cook, R. A.

Some features of grade separation by joint track elevation in Joliet, Ill.

(Engineering and contracting, Feb. 5, 1913)

From a paper before the Illinois society of engineers and surveyors. Describes features of the engineering work.

Kinder

Illinois. Railroad and warehouse commission.

Petition for leave to cross near Kinder; the Madison, Illinois & St. Louis railway company, petitioner, vs. the Wabash railroad company, the Cleveland, Cincinnati, Chicago & St. Louis railway company, the Chicago & Alton railroad company, respondents.

(In its Annual report, 1891/2: 290-93)

Illinois. Railroad and warehouse commission.

The Madison, Illinois & St. Louis railway company, petitioner, vs. the Wabash railroad company, the Cleveland, Cincinnati, Chicago & St. Louis railway company, the Chicago & Alton railroad company, respondents, re-crossing near Kinder, Ill.

(In its Annual report, 1892/3: 274-77)

Litchfield

Illinois. Railroad and warehouse commission.

Leave to cross near Litchfield; the Jacksonville, Louisville & St. Louis railway company, petitioner, vs. the Wabash railroad company, respondent; petition no. 6.

(In its Annual report, 1891/2: 241-42)

Illinois. Railroad and warehouse commission.

Petition of crossing at Litchfield; the Wabash railroad company, petitioner, vs. the Jacksonville, Louisville & St. Louis railway company, respondent.

(In its Annual report, 1891/2: 313-14)

Illinois. Railroad and warehouse commission.

Petition for protection of crossing at Litchfield; the Jacksonville, Louisville & St. Louis railway company, petitioner, vs. the St. Louis & Chicago railway company, respondent.

(In its Annual report, 1891/2: 313)

Illinois. Railroad and warehouse commission.

Petition for protection of crossing north of Litchfield; the Wabash railroad company, petitioner, vs. the Chicago, Peoria & St. Louis railway company, lessee St. Louis & Chicago railroad.

(In its Annual report, 1891/2: 315)

Mackinaw.

Illinois. Railroad and warehouse commission.

Petition for protection of crossing at Mackinaw; Cleveland, Cincinnati, Chicago & St. Louis railway company vs. Terre Haute & Peoria railway company.

(In its Annual report, 1898/9: xxx)

Mattoon.

Illinois. Railroad and warehouse commission.

Petition for protection of crossing of roads at Mattoon; Illinois central railroad company vs. Peoria, Decatur & Evansville railway company.

(In its Annual report, 1897/8: 176-79)



ILLINOIS (cont.)

Mt. Vernon

Illinois. Railroad and warehouse commission.

Petition for leave to cross in the city of Mt. Vernon; the Tamora & Louisville railway company, petitioner, vs. the Louisville & Nashville railroad company, and Southeast & St. Louis railway company, respondents.

(In its Annual report, 1891/2: 275-78)

Illinois. Railroad and warehouse commission.

Petition for leave to cross at Mt. Vernon; Chicago, Paducah & Memphis railroad company, petitioner, vs. Louisville, Evansville & St. Louis consolidated railroad company, respondent.

(In its Annual report, 1893/4: 309-10)

Nashville.

Illinois. Railroad and warehouse commission.

Centralia & Chester railroad company, petitioners, vs. Louisville & Nashville railroad company, respondents; protection of crossings; Nashville, Ill.

(In its Annual report, 1892/3: 263)

Illinois. Railroad and warehouse commission.

Protection of crossing; Nashville, Ill; Centralia & Chester railroad company, petitioner, vs. Louisville & Nashville railroad company, respondent.

(In its Annual report, 1893/4: 311-12)

Normal

Illinois. Railroad and warehouse commission.

Protection of crossing at Normal; the Chicago & Alton railroad company, petitioner, vs. the Illinois central railroad company, respondent.

(In its Annual report, 1891/2: 283-85)

Paducah

Illinois. Railroad and warehouse commission.

Protection of crossing; Chicago & Alton railroad company, petitioners, vs. the Central Illinois railroad company and Wabash railroad company, respondents - petition no. 6, protection of crossing at Paducah Junction.

(In its Annual report, 1891/2: 242-49)

Also separately printed, 17 p.

Paxton

Illinois. Railroad and warehouse commission.

Protection of crossing, Paxton, Ill.; interlocking devices; the Illinois central railroad company, petitioner, vs. the Lake Erie & western railroad company, respondent.

(In its Annual report, 1894/5: 275-77)

Pekin

Illinois. Railroad and warehouse commission.

Petition to cross at grade at Pekin; St. Louis, Peoria & northwestern railway company vs. Cleveland, Cincinnati, Chicago & St. Louis railway company.

(In its Annual report, 1897/8: 167-71)

Peoria

Illinois. Railroad and warehouse commission.

Protection of crossing at Peoria; the Peoria union railway company, petitioner, vs. Peoria terminal railway company, respondent

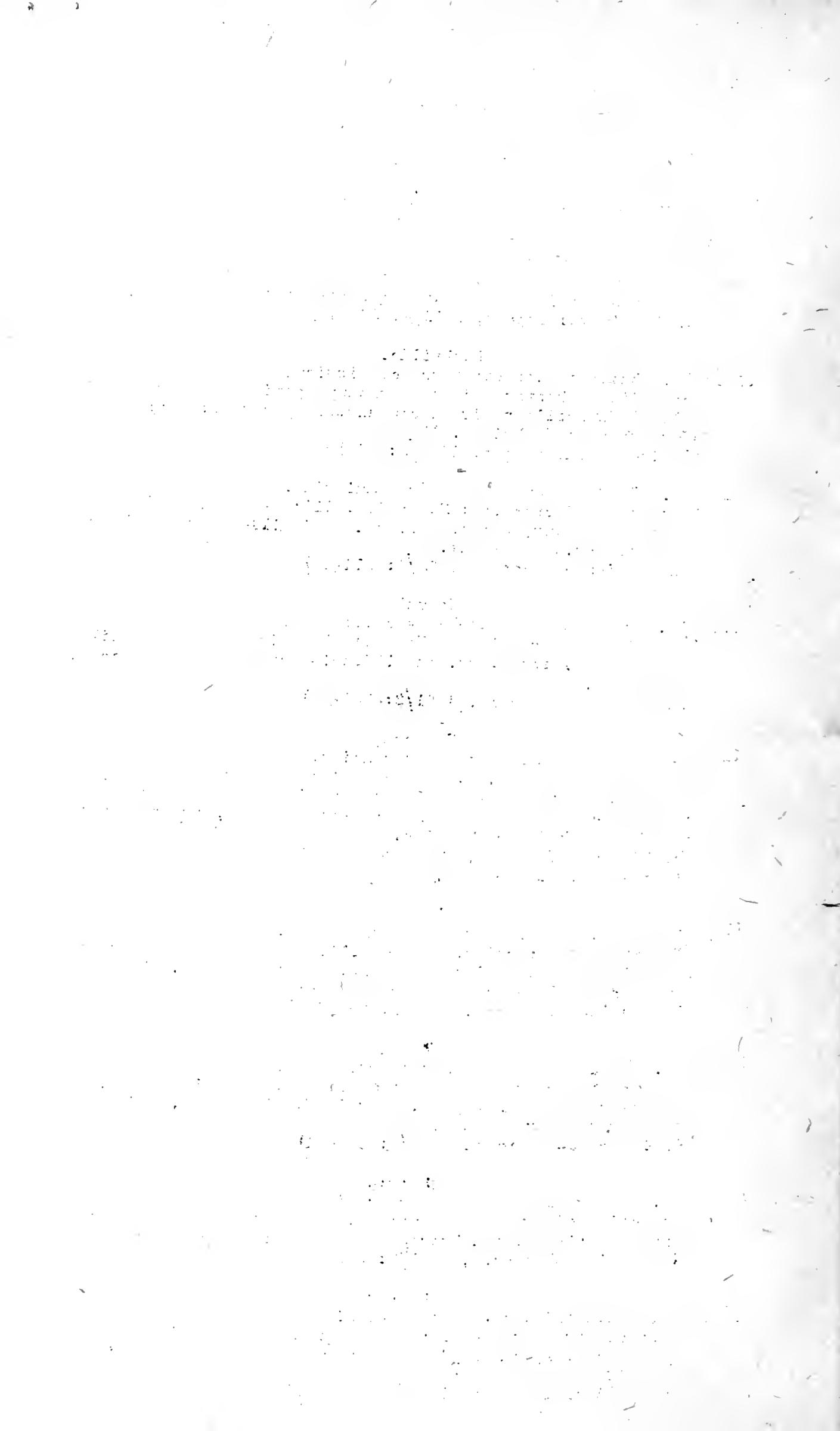
(In its Annual report, 1891/2: 285-88)

Peters

Illinois. Railroad and warehouse commission.

Petition for leave to cross tracks near Peters, Ill; St. Louis & eastern railway company, petitioner, vs. Toledo, St. Louis & Kansas railroad company, respondent.

(In its Annual report, 1889/90: 248-55)



Grade crossings--12)

ILLINOIS (cont.)

Peters (cont.)

Illinois. Railroad and warehouse commission.

Petition to determine place of crossing; St. Louis & eastern railway company, petitioner, vs. Toledo, St. Louis & Kansas City railroad company, respondent. [Near Peters, Ill.]  
(In its Annual report, 1891/2: 236-38)

Reddick.

Illinois. Railroad and warehouse commission.

Petition for protection of crossing at Reddick; Wabash railroad vs. the Indiana, Illinois & Iowa railroad.  
(In its Annual report, 1898/9: xxii.)

Rock Island.

Illinois. Railroad and warehouse commission.

Petition to cross at grade in the city of Rock Island; the Rock Island & Peoria railway company, vs. Davenport, Rock Island & northwestern railway company.  
(In its Annual report, 1898/9: xxv-xxvi)

Smithboro

Illinois. Railroad and warehouse commission.

Petition for protection of crossing at Smithboro; St. Louis, Vandalia & Terre Haute railroad company vs. Jacksonville & St. Louis railway company.  
(In its Annual report, 1898/9: xxix)

Tamaroa

Illinois. Railroad and warehouse commission.

Protection of crossing at Tamaroa, Ill; Illinois central railroad company, petitioner, vs. Wabash, Chester & western railroad company, respondent.  
(In its Annual report, 1895/6: 347-48)

Tuscola

Illinois. Railroad and warehouse commission.

Petition for protection of crossing at Tuscola, Ill; Illinois central railroad company vs. Chicago & eastern Illinois railroad company and Indianapolis, Decatur & western railway company.  
(In its Annual report, 1898/9: xxiv-xxv)

INDIANA

Indiana. Railroad commission.

Report. 1908. Warnings at highway grade crossings, p. 442-59.  
Includes compilation of statutes of various states on grade crossings.

Vandalia track elevation and improvement work at Indianapolis.  
(Railroad gazette, v.43: 774-78; Dec. 27, 1907)

Illustrated description. The work is being done in accordance with requirements of an ordinance passed September 1905.

Big Four track elevation at Indianapolis.

(Railroad age gazette, v.46: 890-92; Apr. 23, 1909)

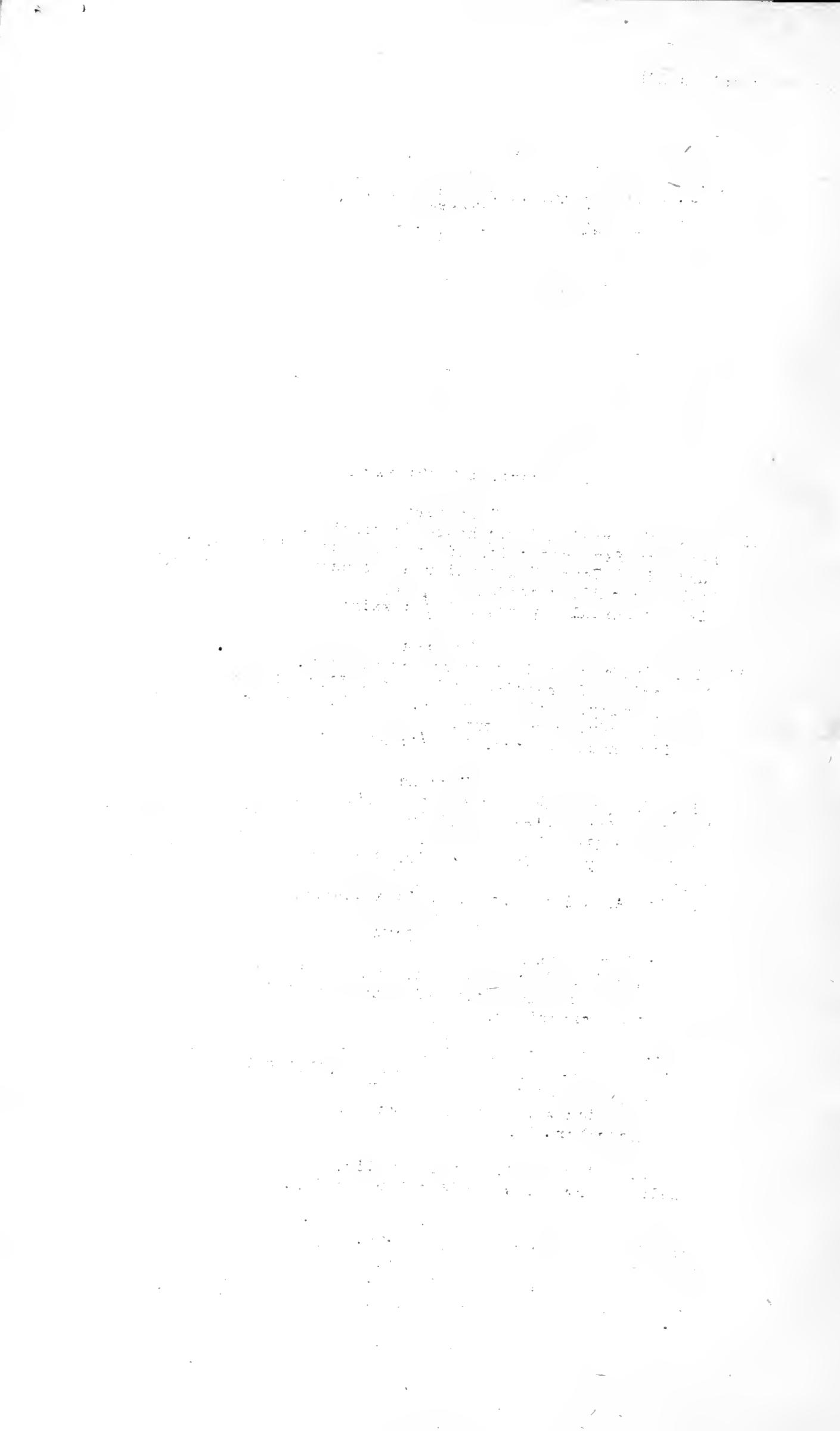
Topeka

Petitions from numerous citizens of Topeka asking that the Wabash railroad company be required to separate the grade of the highway and the railroad at the crossing at that place.  
(In Indiana Railroad commission, Report, 1909: 271-72)

KENTUCKY

Kentucky. Railroad commission.

Railroad legislation needed on subject of fencing railroads, of flagmen at crossings, etc; copy of statute in force in Michigan and Connecticut which meets demands of Kentucky.  
(In its Annual report, 1880/1: 137-38)



Grade crossings-13)  
KENTUCKY (cont.)

Jeffersontown

Kentucky. Railroad commission.

Louisville and interurban railroad company vs. Southern railway company in Kentucky; application to commission for its approval of crossings at grade of tracks of Southern railway company in Kentucky, at or near Jeffersontown and Prestonia.

(In its Annual report, 1902/3: 34-35)

Paducah

Kentucky. Railroad commission.

Citizens of Paducah vs. Chesapeake, Ohio & southwestern railroad company; complaint: dangerous street crossing and inadequate passenger depot; answer of company to complaint.

(In its Annual report, 1886/7: 104-05)

Shelbyville

Kentucky. Railroad commission.

Upon request of citizens of Shelbyville, Louisville & Nashville railroad directed to make suitable provision for protection of crossing of Smithfield turnpike.

(In its Annual report, 1895/6: 12-13)

MAINE

Maine. Railroad commissioners.

Grade, under-grade and over-grade highway and railway crossings; figures for individual roads.

(In their Annual reports, 1877-1882 and 1891-1892)

Maine. Railroad commissioners.

Tabular statement of the number of highway grade, over and under grade crossings.

(In their Annual reports, 1891-date)

MASSACHUSETTS

Report relating to railroad crossings in Massachusetts.

(Senate document 150, 1849) [Mass.]

Massachusetts. Legislature. Commission on railroad crossings. 1857. (Senate no.15, Jan.24, 1850) [Boston, 1850] 13 p. 8° ICC

Report on railroad crossings. By E.S.Chesbrough, commissioner on railroad crossings, appointed under resolve of 1849, chap.94.

Massachusetts. Governor.

Suggestion to extend power of railroad commissioners over highway crossings and location of stations.

(In his Annual message Jan.1871: 21)

Massachusetts. Governor.

Propriety of amending railroad law suggested to authorize grade crossing permits to be granted on judgment of railroad commissioners.

(In his Annual message, Jan.1873: 15)

Massachusetts. Railroad commissioners.

Special report under ch.43, acts of 1883, on signals for protection of grade crossings.

(In their Annual report, 1883: 47-52)

Massachusetts. Railroad commissioners.

Grade crossings.

(In their Annual report, 1887: 30-35)

Massachusetts. Railroad commissioners.

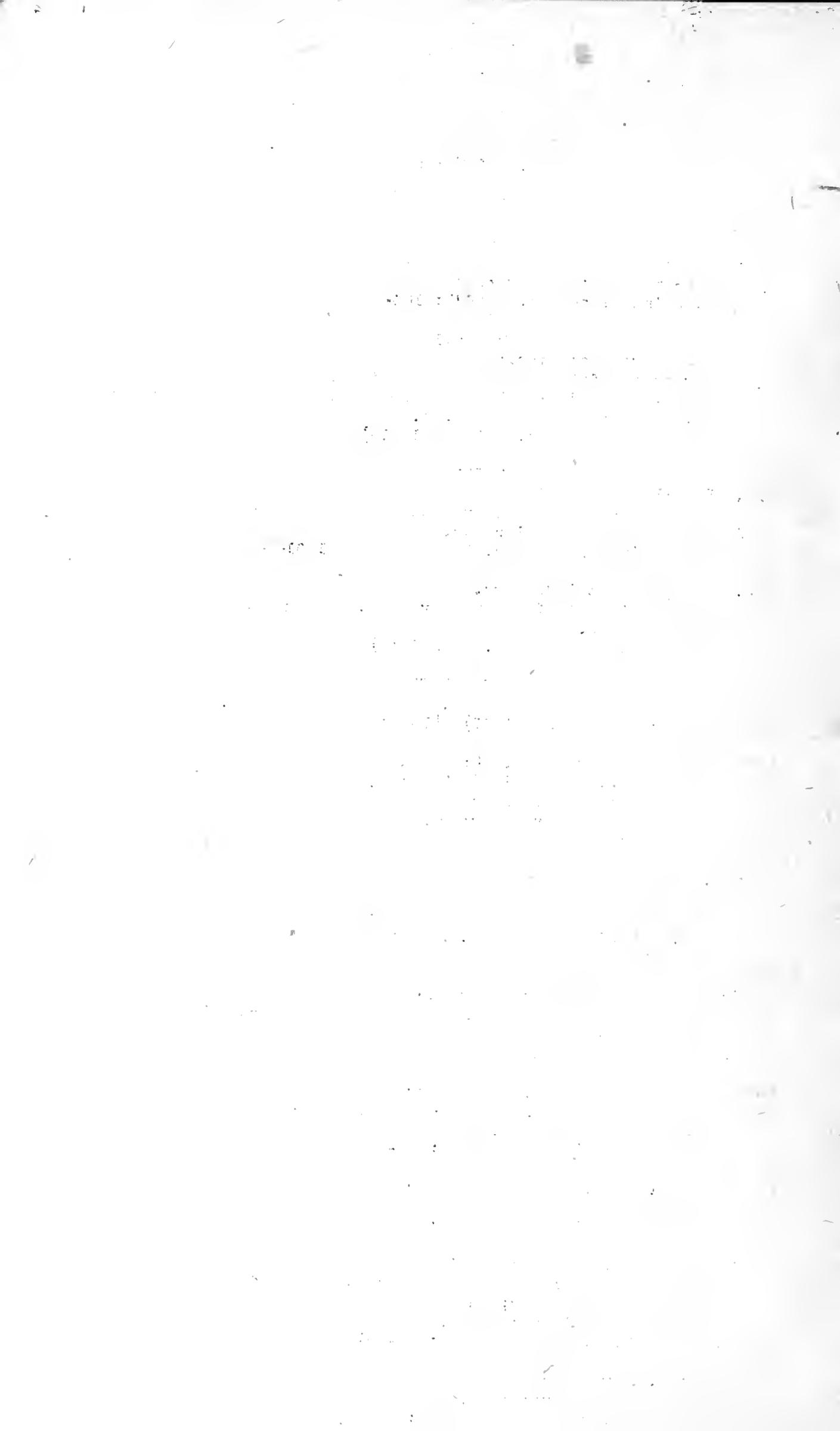
Private and public grade crossings; elements of danger at unprotected grade crossings; means by which danger may be diminished; abolition of grade crossings.

(In their Annual report, 1888: 58-85)

Massachusetts. Governor.

Dangers of grade crossings.

(In his Annual message Jan.1889: 13).



Grade crossings-14)  
MASSACHUSETTS-(cont.)

Locke, Augustus W., and others.

Report of an investigation into the subject of the gradual abolition of the crossings of highways by railroads at grade... Jan. 31, 1889. Boston, 1889. 76 p. 8° (House No.75) B/MIT.

Massachusetts. Railroad commissioners.

Consolidated draft of statutes which relate to separation of grades at existing grade crossings.  
(In their Annual report, 1889: 137-41)

Massachusetts. Railroad commission.

Special report on grade crossings, 1889. p.58-85

Massachusetts. Governor.

Demand for immediate action on questions involved in reports of railroad commissioners' special commission relative to grade crossings.

(In his Annual message, Jan.1890: 30)

Massachusetts. Railroad commissioners.

Table showing statistics of crossings of steam railroads by street railways.

(In their Annual report, 1891: 35)

Massachusetts. Attorney general.

Schedule of petitions for abolition of grade crossings under statutes of 1890, ch.428, arranged by companies.

(In his Annual reports, 1891-date)

Massachusetts. Railroad commissioners.

Abolition of grade crossings.

(In their Annual report, 1892: 40-45)

Massachusetts. Legislature. House.

Hearing before the street railway committee [on House bill no.89 re electric railways crossing steam railroads at grade] Feb.27- Mar.21,1893. 4 parts. 4° Typewritten. MassSL  
Stenographic report.

Locke, A. W., J. W. Rollins and F. H. Snow.

Abolition of grade crossings between railroads and highways.  
(Association of engineering societies, journal, May 1895: 422-35)

Massachusetts. Railroad commissioners.

Private grade crossings.

(In their Annual report, 1896: 48-49)

Massachusetts. Railroad commissioners.

Report under ch.105, resolves of 1900, on grade crossings.  
(In their Annual report, 1900: 86-90)

Massachusetts. Railroad commissioners.

Report of board of railroad commissioners on investigation of street railway companies paying proportion of cost of abolition of grade crossings in certain cases. 6 p.  
(Mass. House. doc.135; 1901)

Massachusetts. Governor.

Suggestion that interests on bonds of Boston & Maine railroad company be transferred to abolition of grade crossing loan sinking fund, rather than to school fund.  
(In his Annual message, Jan.1901: 10)

Massachusetts. Governor.

Act of 1890 for abolition of grade crossings ceased to be operative; recommended that further operation of act be secured by new appropriation with annual allowances.  
(In his Annual message, 1902: 12-13)



Grade crossings-15)  
MASSACHUSETTS (cont.)

Massachusetts. Governor.

Re the application of the contribution on the part of street railways for cost of abolition of grade crossings.  
(In his Annual message, 1902: 14-15)

Turner, Edmund K.

Abolition of grade crossings in Massachusetts.  
(Association of engineering societies, journal, Nov. 1902: 169-97)

DeGoosh, Arthur W.

Table of expenditures for the abolition of grade crossings in Massachusetts, from the enactment of st. 1890, c. 428, to Mar. 8, 1904.  
[n.p., 1904] 7 p. tables. LC.

Blakemore, Arthur W.

The abolition of grade crossings in Massachusetts. Boston, 1905.  
76 p. 8° MIT, MechL.

Massachusetts. Highway commission.

Grade crossings.

(In its Annual report, 1909: 25-26)

Massachusetts. Attorney general.

Table of expenditures for the abolition of grade crossings to Nov. 30, 1909.  
(In his Annual report, 1909)

Massachusetts. Railroad commission.

Abolition of grade crossings.  
(In its Annual report, 1909: 57-60)

Statistics of accidents at grade crossings in Massachusetts.

(Boston Sunday herald, Aug. 14, 1910)

Massachusetts. Railroad commission.

Report...on the advisability of changing the present basis of the apportionment of the cost of abolishing grade crossings.  
[Boston, 1913] 54 p. 8° (House No. 1878) E, StPL.

Boston

Report on report of commissioners appointed to consider expediency of obviating crossings of Boston & Lowell railroad corporation, Fitchburg railroad company, Boston & Maine railroad company, and Eastern railroad company, and allowing them to cross Causeway street in Boston. (Mass. Sen. Doc. 179, 1855) 3 p.

Boston. City engineer.

Report on changing the locations of the Eastern and Boston & Albany railroads, in East Boston. (City doc. 86, 1874) 13 p.

Massachusetts. Railroad commissioners.

Special report under ch. 47, resolves of 1882, on grade crossings of railroads on northerly side of Boston.  
(In their Annual report, 1882: 49-62)

Rollins, James W.

Abolition of grade crossings on the Providence division of the Old Colony railroad in Boston.  
(Association of engineering societies, journal, May 1895: 447-60)

Massachusetts. Railroad commissioners.

Amount paid by state for abolition of grade crossing on Boston & Providence railroad in the city of Boston.  
(In their Annual report, 1893: 40)

Elevation of the New York, New Haven & Hartford Railroad at Boston, Mass  
(Engineering news, Jan. 14, 1887, p. 18-20)

Hastings, Lewis M.

Report on abolition of railroad crossings at grade, Cambridge  
Mar. 5, 1901. 48 p.



Grade crossings-16  
MASSACHUSETTS (cont.)

(Boston, cont.)

Tuttle, Arthur S.

Abolition of grade crossings on the Providence division of the New York, New Haven & Hartford railroad, between Boston and Dedham.

(Association of engineering societies, journal, Nov. 1901: 163-89)

Abolition of grade crossings of the Boston & Maine and Boston & Albany railroads in East Boston, Mass. Superior court. Feb. 11, 1905. 28 p.

Boston. Engineering department.

East Boston grade crossings.

(In its Annual report, 1908-09: 56-65)

Brockton.

Snow, F. H.

Abolition of grade crossings in the city of Brockton.

(Association of engineering societies, journal, May 1895: 438-46)

Track elevation at Brockton, Mass.

(Engineering news, Mar. 25, 1897)

Cambridge

Report and findings of special commission appointed by Superior court of Massachusetts in matter of alterations of grade crossing at Prison Point street in Cambridge so as to avoid a crossing at grade. Filed Mar. 29, 1893. 14 p. MassSL.

Lynn

Leland, George L.

Report on abolition of railroad crossings at grade, city of Lynn. Nov. 1, 1901. 42 p.

Report of commission abolishing grade crossings of the Boston & Maine railroad in the city of Lynn. June 10, 1909. 31 p.

Massachusetts. Superior court. Malden

In equity. Directors of Boston & Maine railroad, petitioners, for alteration in grade crossing of certain highways in city of Malden called Medford street, Adams street, and Charles street, and Boston & Maine railroad. Western division. Decision of commission on abolition of grade crossings. 24 p. 4<sup>o</sup> MassSL.

Middleborough

Old Colony & Fall River railroad company.

Remonstrance against petition of Middleborough & Taunton railroad corporation to cross their railroad near Middleborough so as to unite with railroad of Cape Cod railroad. (Mass. House doc. 4; 1858) 3 p.

Natick

Report relative to railway crossing and passenger station at Natick. (Mass. House doc. 372; 1874) 4 p.

New Bedford

Fouquet, John D.

Report on grade crossings in New Bedford. Dec. 1893. 14 p.

New Bedford. City council.

Petition for an order by the court appointing a commission for the elimination of the grade crossings in the city of New Bedford. 1895. 8 p.

Report of commissioners appointed by Superior court upon petition of city of New Bedford for the abolition of grade crossings in said city. 1903. 40 p.



Grade crossings-17)  
MASSACHUSETTS (cont.)

New Bedford (cont.)

Mayor and aldermen of New Bedford, petitioners for the alteration of grade crossings in New Bedford. Decision and report of commissioners. Commonwealth of Massachusetts, Superior court, 1906. 36 p.

New Bedford. Engineering department.  
See its Annual reports, 1907-date.

Williams, William F.

Abolition of grade crossings in the city of New Bedford.  
(Association of engineering societies, journal, July 1908)

Newton

Noyes, Albert F., Charles A. Allen and George S. Price.

Report of special commission on the separation of grade crossings of the Boston & Albany railroad. Boston, 1892. 45 p. 8° ICC, NY.

Newton. City engineer.

Grade crossings.

(In his Annual report, 1898: 48-80)

Preliminary report of Mar. 21, 1898 and final report of Sept. 21, 1898 of City engineer H.D. Woods, relative to the separation of all grade crossings of steam railroads on the south side of the city of Newton.

Farnham, Irving T., William Parker, and W. G. S. Chamberlain

Abolition of grade crossings on the main line of the Boston & Albany railroad in Newton, Mass.

(Association of engineering societies, journal, Aug. 1898: 37-67)

Newton. City engineer.

See his Annual reports, 1905-date.

Witney, Walter C.

Grade crossing abolition at Newton Highlands and Newton Centre.  
(Engineering record, Nov. 30, 1907)

Roxbury

Massachusetts. Attorney general.

Opinion on proceedings taken to abolish grade crossings on line of Providence division of Old Colony railroad in Roxbury.  
(Mass. Sen. doc. 11; 1894) 2 p.

Somerville

Somerville. City engineer.

See his Annual reports, 1906-date.

Waltham

Brewer, Bertram.

Report on the abolition of grade crossings on the Fitchburg railroad. 1897. 23 & 6 p.

Waltham. City engineer and Superintendent of sewers.

See his Annual report, 1904. 29 p.

Worcester.

Massachusetts. Legislature. Committee on railways.

Hearing on removal of railroad tracks in Worcester. Worcester, Snow brothers, 1871. 173 p. 8° ICC

Worcester. Citizens.

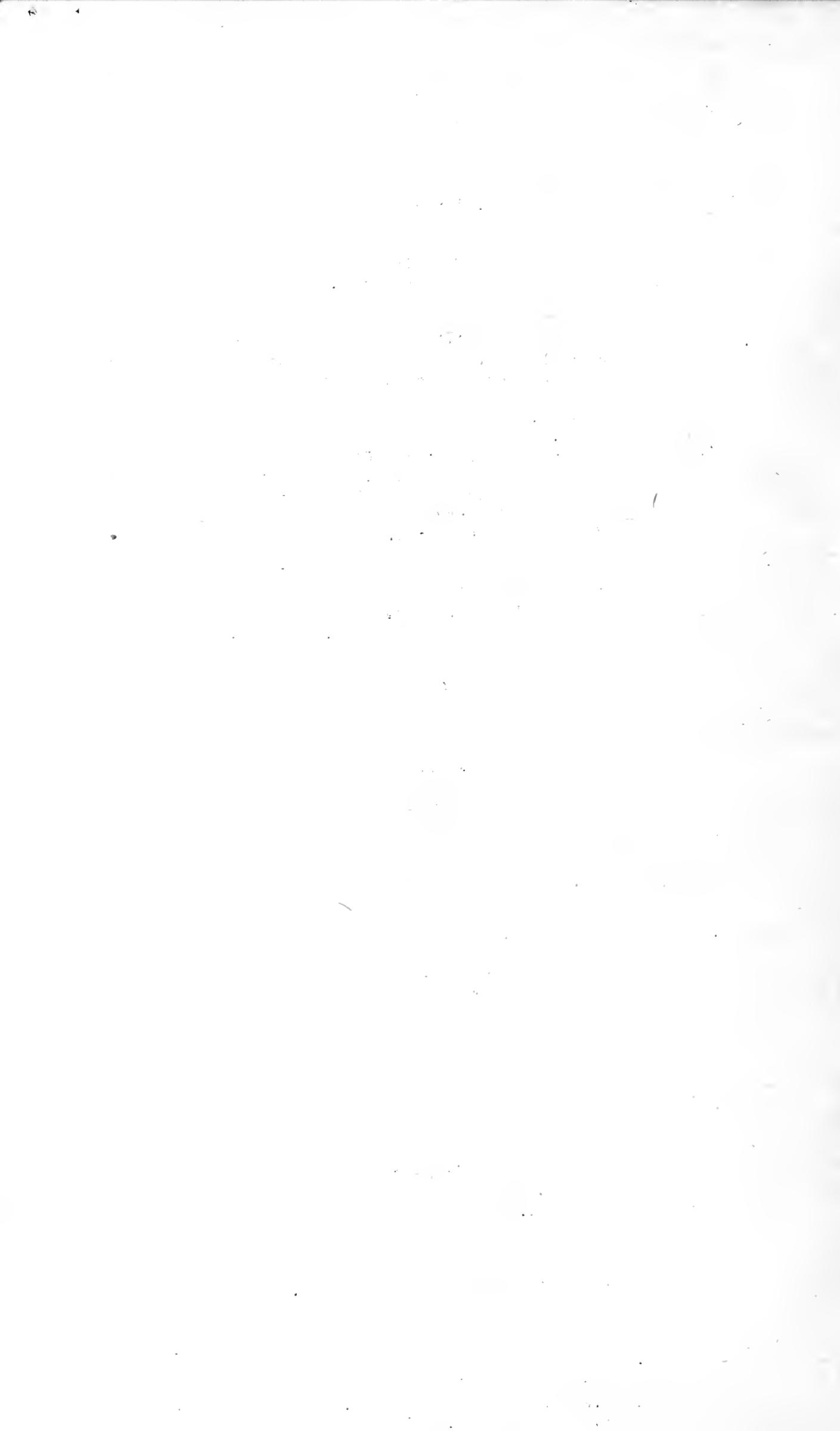
[Remonstrance against legislation designed for removal of railroad station (Boston & Albany)] Worcester, Feb. 25, 1871. 1 p. B.

Report on abolition of grade crossings in city of Worcester.  
Worcester, 1892. HU.

Worcester. Commission of abolition of grade crossings.

Report... Mar. 1899. Worcester, 1899. 63 p. 8° B.

Final report... [Worcester, 1899] B.



Grade crossings-18)  
MASSACHUSETTS (cont.)

Worcester (cont.)

Massachusetts. Laws, statutes, etc.

Act relative to the abolition of certain grade crossings in the city of Worcester.

(Massachusetts, Acts of 1900.) 2 p.

Worcester. City solicitor.

Brief history of the grade crossing abolition in Worcester from 1890 to 1906, by Arthur P. Rugg, city solicitor. Feb. 2, 1906. [Worcester? 1906] 28 p. 8° B,LC,WorcPL.

Breed, Charles B.

Proposed elimination of grade crossings at Worcester, Mass. (Railroad gazette, v.44: 358-62; Mar. 13, 1908)

Detailed account giving plans for proposed Worcester station.

Gilman, C. H.

Grade crossing elimination in Worcester.

(Engineering record, v.60: 489-90; Oct. 30, 1909)

MICHIGAN

Michigan. Board of health.

An alleged dangerous railway crossing at Raisin center. The danger throughout Michigan at grade crossings of railroads. (In its Annual report, 1891: lxxxii-lxxxv)

Reprinted separately. B.

Detroit.

Detroit grade separation agreement: Report of committee. June 1903. 13 p

MISSOURI  
St. Louis

St. Louis. Engineer board.

Report to Citizens' committee, on lowering track of Missouri Pacific railroad, and connecting all commercial outlets of St. Louis.

June 1, 1874. Henry Flad, J. Blickensderfer, John Rogers, C. S. Smith. 52 p.

Submits comprehensive plans and estimates for reconstruction of railway terminals and abolition of crossings at grade.

Gayler, Carl.

Grade crossing problems in St. Louis.

(Association of engineering societies, journal, July 1905: 34-52) StLPL.

St. Louis. Municipal Bridge and terminal commission.

See its Annual report, 1905.

St. Louis. City council.

Ordinances relating to the Municipal bridge and terminals commission.

(In the Journal of the Council, 1908)

NEBRASKA

Omaha

Regulation of railroad crossing. [Note to Missouri Pacific Ry. Co. vs. City of Omaha, 197 Fed. 516]  
(Harvard law review, Dec. 1912, p. 169-70)

NEW JERSEY

Pennsylvania railroad company.

For the information of the public.

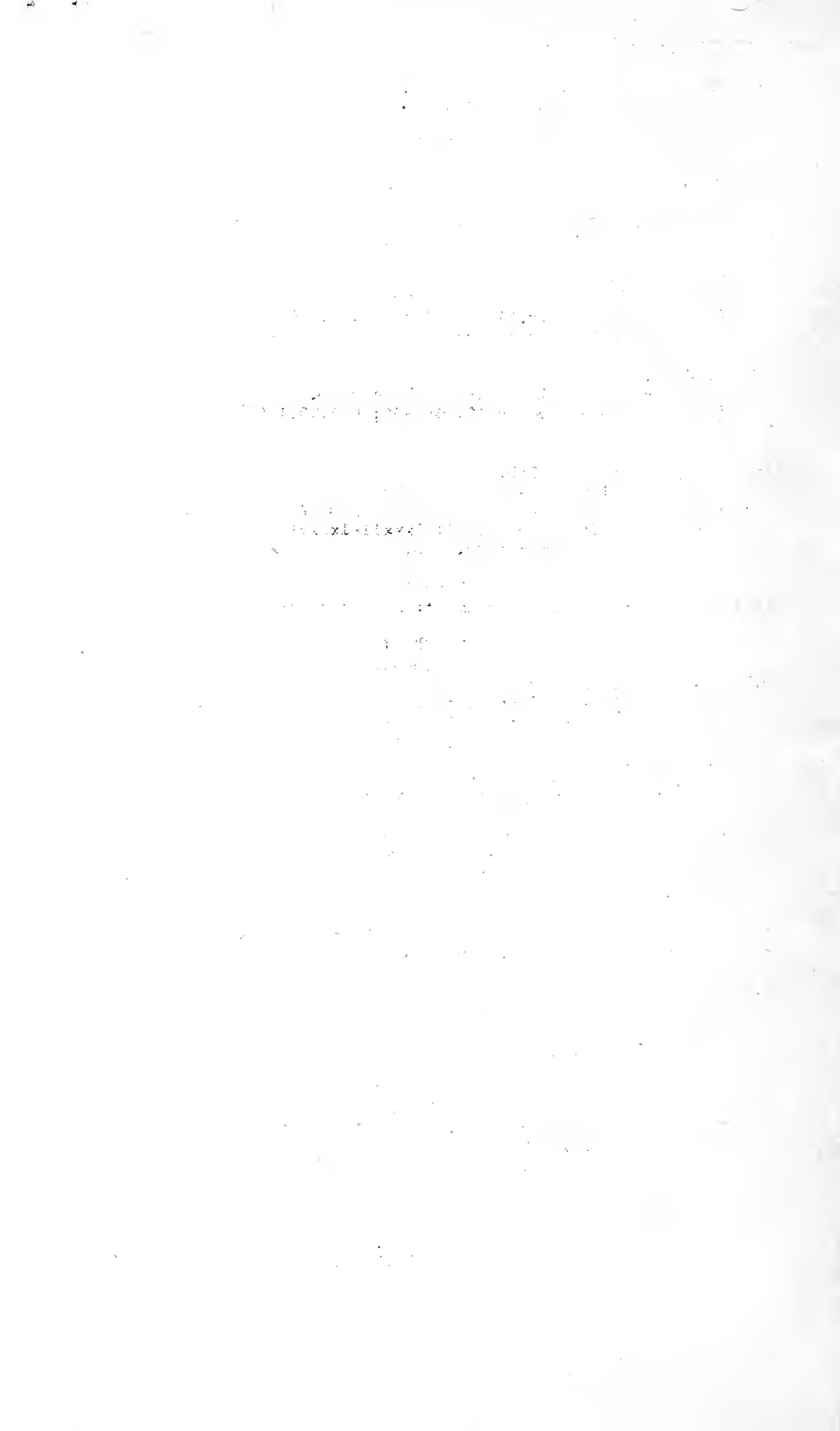
Broadside. Philadelphia, Mar. 12, 1913.

Statement of President Rea relative to the grade crossing law in New Jersey. B.

East Orange

Whinery, Samuel.

Report on the proposed grade alterations of the Delaware, Lackawanna & western railroad through the city of East Orange. 1906. 31 p.



Grade crossings-19)  
NEW JERSEY (cont.)

Newark

Newark. Board of street and water commissioners.

Agreements for elimination of grade crossings on the Pennsylvania and the Lackawanna railroads in Newark, N.J. 1900-01.

Baily, Clarence H.

Track elevation in Newark, N.J.

(Railroad gazette, v.34: 297-98; Apr. 25, 1902)

Newark improvements of the Lackawanna railroad.

(Engineering record, Dec. 26, 1903: 806-08)

Newark. Common council.

Opinions...relative to the contracts for elevation and possession of tracks between the city of Newark and the railroad companies. 1905. 29 p.

Newark. Common council.

Investigation of the Delaware, Lackawanna & western railroad company contract for track elevation. 1906. 51 p.

NEW YORK

New York. Railroad commissioners.

Table showing crossings at grade, gates, flagmen, accidents, suits, damages, etc.

(In their Annual report, 1883, v.1: 31-35)

New York. Railroad commissioners.

Crossings at grade: petitions, complaints, recommendations, etc (In their Annual reports, 1883-1889; 1892-date)

New York. Attorney general.

Liability of state to contribute to expense of changing existing grade crossing under sec. 62, railroad law; opinion of attorney general.

(In his Annual report, 1892: 147-50)

New York. Railroad commissioners.

Proposed grade crossing bill.

(In their Annual report, 1894: v.1: xxix-xxxviii)

New York. Laws, statutes, etc.

Act to amend article 2 of railroad law relative to grade crossings (In Railroad commissioners, Annual report, 1895, v.1: 322-26)

New York. Railroad commissioners.

Application of railroad for approval of highway crossing signs in accordance with sec. 50 of railroad laws.

(In their Annual report, 1895, v.1: 128)

New York. Railroad commissioners.

Complaints relative to railroad highway and farm crossings.

(In their Annual report, 1897: v.1: 39-50)

New York. Railroad commissioners.

Table showing how crossings at grade, over and under grade of state roads of state are divided between several railroads of state and how protected.

(In their Annual report, 1897: v.1: xxvi-xxviii)

New York. Railroad commissioners.

Inquiries as to crossings.

(In their Annual reports, 1897-1898)

New York. Laws, statutes, etc.

Grade crossing law; sec. 60 to 69 railroad law.

(In Railroad commissioners, Annual reports, 1897-date)



Grade crossings 20)  
NEW YORK (cont.)

New York. Supreme court.

Opinion...relative to sec.64 of railroad law on duty of municipality and railroad to keep bridges and roadways under and over railroads in repair.

(In Railroad commissioners, Annual report, 1898, v.1: 109-11)

New York. Attorney general.

Opinion. Railroad commissioners have power to determine manner in which street railway may cross tracks of steam railroad company.

(In his Annual report, 1898: 241-42)

New York. Railroad commissioners.

Statement of appropriations and expenditures for elimination of grade crossings.

(In their Annual reports, 1898-date)

New York. Governor.

More appropriations to secure safety at railroad crossings urged.  
(In his Annual message, 1899)

New York. Attorney general

Opinion. When embankment of railroad was completed and grade established prior to enactment of laws of 1897, although rails were not laid until after grade, will not be affected by said law.  
(In his Annual report, 1899: 330-31)

New York. Railroad commissioners.

Applications for highway crossing signs.  
(In their Annual reports, 1899-date)

New York. Governor.

Provision for maintenance of work of railroad commission with regard to elimination of grade crossings.  
(In his Annual message, Jan.1900: 46)

New York. Railroad commissioners.

Decisions of courts as to questions arising under grade crossing law.

(In their Annual reports, 1900-date)

New York. Comptroller.

Statement of payments from general fund to railroad commission for abolition of railroad grade crossings.  
(In his Annual reports, 1900/1-date)

New York. Governor.

Demand for adequate appropriations for abolition of railroad grade crossings.  
(In his Annual message, Jan.1901: 46)

New York. Railroad commissioners.

Table of crossings of surface steam railroads with other steam railroads and with highways.

(In their Annual reports, 1902-date)

New York. Governor.

Suggestion that the matter of grade crossings be referred to railroad commissioners and apportionments be made at their recommendation.

(In his Annual message, Jan.1904: 28)

New York. Attorney general.

Opinion. Powers of board of railroad commissioners to determine necessity of change in crossing.

(In his Annual report, 1904: 248-50)

New York. Railroad commissioners.

Table of crossings of surface street railroads with steam railroads and with highways outside cities and villages.

(In their Annual report, 1904: v.1: xlvi-xlvii)



Grade crossings-21)  
NEW YORK (cont.)

Grade crossing elimination - an object lesson.  
(Railroad gazette, v.41: 234-35; Sept. 21, 1906)

New York. Public service commission, 2nd district.  
Petition of the International railway company. Dec. 20, 1907. 9 p.

Keith, Herbert C.

Some features of the bridges on the Harlem River branch of the New York, New Haven & Hartford railroad.  
(Brooklyn Engineers club, 1908, p. 272-94 of the proceedings)

Harlem River branch improvements; New York, New Haven & Hartford R.R.  
(Railway age gazette, v.48: 186-90, 257-60; Jan. 28, Feb. 4, 1910)

New York. Public service commission, 1st district.

Report... for the year ending Dec. 31, 1913. Albany, 1914.  
v.1: chap. IV: Elimination of grade crossings, p.158-79.

#### Brooklyn

Brooklyn. Atlantic Avenue commission.  
Report... New York, 1897. 221 p.

Brooklyn. Board for Atlantic Avenue improvement.

History of the Atlantic Avenue improvement. 1906. 55 p.

Brooklyn. Grade crossing commission.

Laws and by-laws relating to the Bay Ridge improvement and the Brighton Beach improvement. July 1, 1907. 51 p.

Brooklyn. Grade crossing commission.

Preliminary report of the work of eliminating grade crossings. 1907. 44 p.

Snell, Harry B.

Improvement of the Brighton Beach line - Brooklyn Heights railroad company.  
(Brooklyn Engineers club, Proceedings, 1907: 51 pages)

Brooklyn. Grade crossing commission.

Preliminary report of work of eliminating grade crossings... Dec. 31, 1907; with supplemental report to Dec. 31, 1909.  
[Brooklyn, 1910] 44 & 11 p. B.

New York. Public Service commission, 1st district.

Application of city of New York relative to opening across tracks of Long Island railroad, Starr street, Suydan street and Willoughby avenue. Case no. 1202, 1201. Feb. 8, 1910. 7 p.

New York. Public service commission, 1st district.

Application of city of New York relative to opening across tracks of Nassau electric railroad company the following streets: New Utrecht avenue, Eighth avenue, Tenth avenue. Case no. 1197. June 24, 1910. 6 p.

#### Buffalo

In the matter of an application of the common council, the lumber exchange, and other citizens of Buffalo, for relief from inconveniences and dangers of grade crossings of various railroads centering in that city. 1887. 23 p.

Report of the Board of civil engineers on the question of grade crossings of the steam roads of the city of Buffalo. John Bogart, A.M. Wellington, George E. Mann, George V. McNulty, Walter Katte, C.W. Buchholz, Henry Flad. Feb. 28, 1888. 51 p.

The Proposed grade crossing changes containing the original proposed supplemental and supplemental contracts with the New York Central & Hudson River railroad company and a description of the plans for relief. Buffalo, 1892. 55 p.



Grade crossings-22)  
NEW YORK (cont.)

Buffalo (cont.)

Specifications for Buffalo grade crossing work; New York central & Hudson River railroad.  
(Engineering news, Mar. 21, 1895)

Removal of grade crossings in Buffalo, N.Y.  
(Engineering news, Oct. 24, 1895)

New York. Attorney general.

Opinion. Manner of grade crossings of railroad in Buffalo within jurisdiction of state board of railroad commissioners.  
(In his Annual report, 1898: 200-02)

Guthrie, Edward B.

Address on abolition of grade crossings in cities and towns.  
Dec. 1904. 13 p.

An excellent brief discussion of methods of grade separation in general, and of the history and methods of grade separation in Buffalo.

Adam, Robert B.

History of the abolition of railroad grade crossings in the city of Buffalo.

(In Buffalo historical society, publications, Buffalo, 1905, v.8: 149-254) LC.

Buffalo. Grade crossing commission.

Laws affecting the commission. 1906.

Buffalo grade crossing improvement: Preliminary plan and profile showing elimination of grade crossings at streets by New York central & Hudson River, Erie & Delaware, Lackawanna & western railroads. July 1906.

Buffalo. Grade crossing commission.

Supplemental general plan. Oct. 1906. 35 p.

Grade crossings contract. Buffalo. Augustus F. Scheu, et al. vs. New York central railroad. Jan. 10, 1907. 12 p.

Buffalo. Department of public works.

Grade crossing contracts with various railroad companies.  
Jan. 1908. 180 p.

Buffalo grade crossing improvements: cost of structures. Jan. 1908. 1 p

New York. Public service commission, 2nd district.

Petition of the Terminal railway of Buffalo, as to its highway crossings in the towns of West Seneca and Cheektowaga. May 4, 1903. 6 p.

"This Commission has jurisdiction and power to change determination made either by the former Board of Railroad Commissioners or by itself under those sections of the Railroad Law relating to the elimination of highway grade crossings."

Plate girder arch bridge carrying a concrete roadway.

(Engineering record, Aug. 20, 1910)

Buffalo. Grade crossing commission.

Grade crossing improvement, Buffalo, N.Y., 1888-1911. [Buffalo, 1911:] 16 p. 8° B, StLPL.

Cornwall

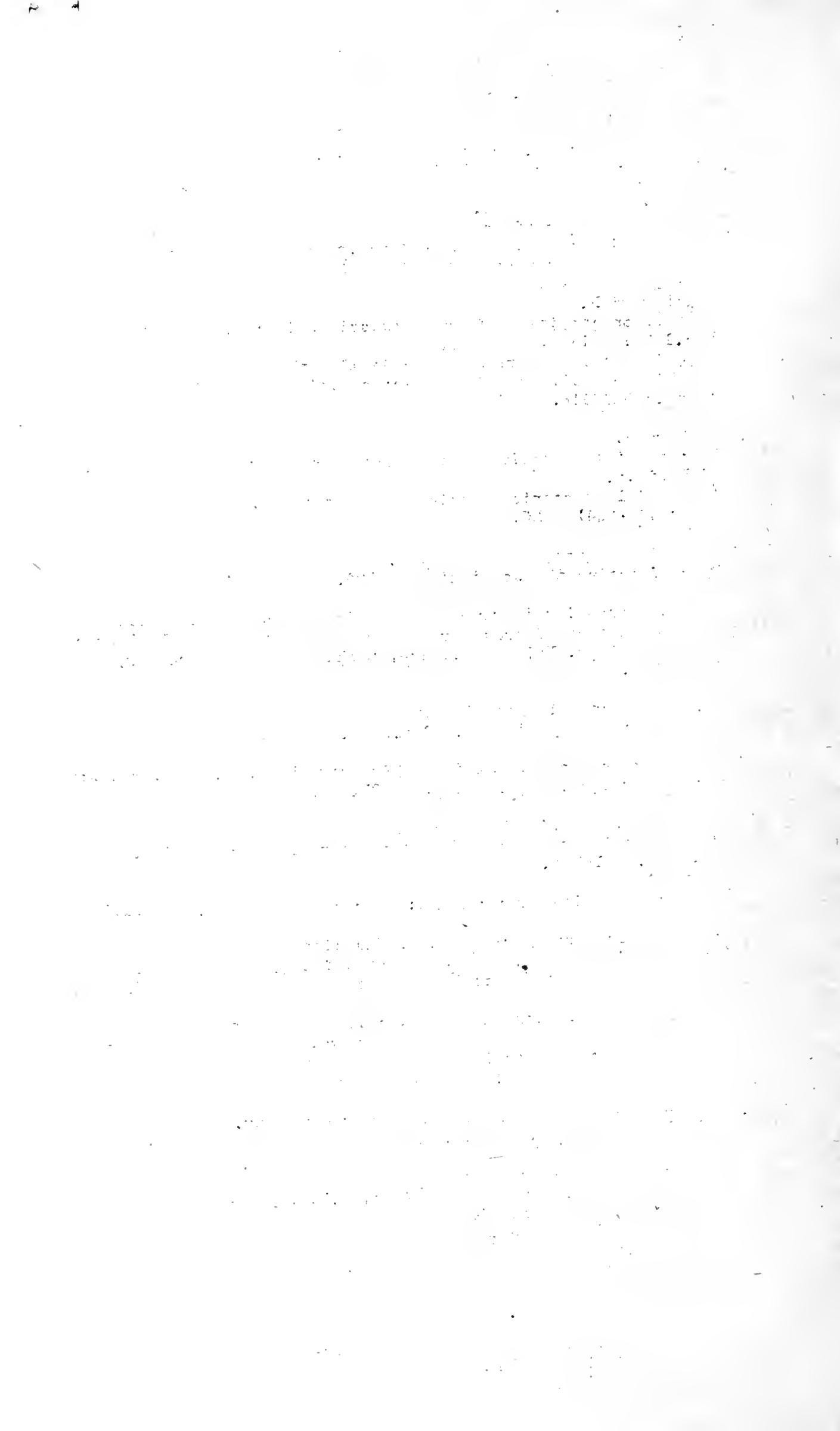
New York. Public service commission, 2nd district.

In the matter of the petition of the Town Board of Cornwall. Feb. 18, 1908. 6 p.

Elmira

New York. Public service commission, 2nd district.

Complaint of city of Elmira against Erie railroad company.  
Apr. 1, 1909. 6 p.



Grade crossings-23)  
NEW YORK (cont.)

New York City.

Elevated tracks of the New York central railroad in New York city.  
(Scientific American supplement, Feb.20,1897)

Erection of the Park avenue viaduct, New York.  
(Engineering record, Feb.27, Mar.27, Apr.10,1897)

Elimination of grade crossings in New York central electric zone.  
(Engineering record, v.56: 270-71; Sept.7,1907)

Illustrates and describes the High Bridge and Morris Heights stations where overhead bridges are used.

New York central and Hudson River railroad company.

West side tracks, city of New York. N.Y.,1907. 29 p.

Contains report of George S. Rice, report of special committee of Rapid Transit Board, and several letters from the President of the New York central to the Mayor and to the President of the Rapid Transit Board, dealing with plans for an elevated railroad or subway along the waterfront.

New York. Board of Estimate and Apportionment.

Application of Long Island railroad for financial cooperation in the elimination of grade crossings and reports of the chief engineer of the Board of Estimate and Apportionment in regard thereto. Minutes of the Board, City record, v.36: 5861-62; May 19,1908.

Engineer opposes policy of granting financial assistance such as was granted in case of Brighton Beach and Bay Ridge improvements.

New York. Board of Estimate and Apportionment.

Opinion of Corporation counsel and Chief engineer relative to the procedure to be observed in applying the provisions of the railroad law regarding opening streets crossing steam railroads. Minutes of the Board, City record, v.36: 5933; May 20,1908.

New York. Legislature.

Proposed act to provide for discontinuing the use by the New York Central and Hudson River railroad, for railroad purposes, of streets, avenues, public parks or places in the Borough of Manhattan, in the city of New York at grade and to that end to authorize the city of New York to grant certain real property to said railroad company and to acquire certain of other real property and certain franchises from said railroad company by purchase or condemnation. N.Y., 1908. 18 p.

New York. Board of Estimate and Apportionment.

Railroad grade crossings, New York city. Report of chief engineer. N.Y., 1908.

See pages 18-22; 106-22.

Vast Long Island Railroad improvements financed; tracks to be elevated and grade crossings abolished.

(Brooklyn Daily eagle, June 21, 1908)

New York. Legislature.

Bills for the abolition of grade crossings in New York. Assembly, 1655, 1683. Senate 1398, [Albany] 1909.

Long Island Railroad.

Correspondence between the president and general manager of the Long Island railroad company and the Board of Estimate and Apportionment of the city of New York in relation to grade crossing matters and improvements in Queens Borough. N.Y.,1909/ 18 p.

Engineering record [Editorial]

Grade crossings in Queens Borough.

(Engineering record, v.59: 31; Jan.9,1909)

Grade crossing complications between the railroads and the city of New York.

New York. Citizens union.

In the matter of Senate bill no.873, commonly known as the Grade Eleventh avenue bill: Memorandum submitted by the Citizens union.



Grade crossings-24)  
NEW YORK (cont.)

New York City (cont.)

Bassett, Edward Murray.

Report on grade crossings in New York city and the need of change in the grade crossing law. Appendix B to annual report for 1909, submitted to the Public service commission for the First district by Edward M. Bassett, Commissioner. Albany, J.E.Lyon co., printers, 1910. 35 p. 8° StLPL.

New York. Citizens union.

In the matter of Assembly Bill no. 1540, and proposed amendments thereto or a proposed alternative therefor. N.Y., 1910. 51 p.

Niagara Falls

New York. Public service commission, 2nd district.

Pine street grade crossing elimination in the city of Niagara Falls. Aug. 24, 1909. 12 p.

Oswego

New York. Public service commission, 2nd district.

Elimination of grade crossings of New York, Ontario and western railway company and of the New York central and Hudson River railroad company, in East Fourth St. and Schuyler St. in the city of Oswego. No. 77, Nov. 18, 1909. 13 p.

Rochester

Proceedings of the commission appointed by and under chap. 147, laws of New York, 1880, in the matter of the relief of the city of Rochester and the New York central and Hudson River railroad company in said city. 1880-1886. 35 p.

New York State Appellate Division, Fourth Dept.

Statute assessing the cost of bridge over railroad tracks in city against persons benefited. New York central railroad vs. Rochester. Jan. 1909. 8 p.

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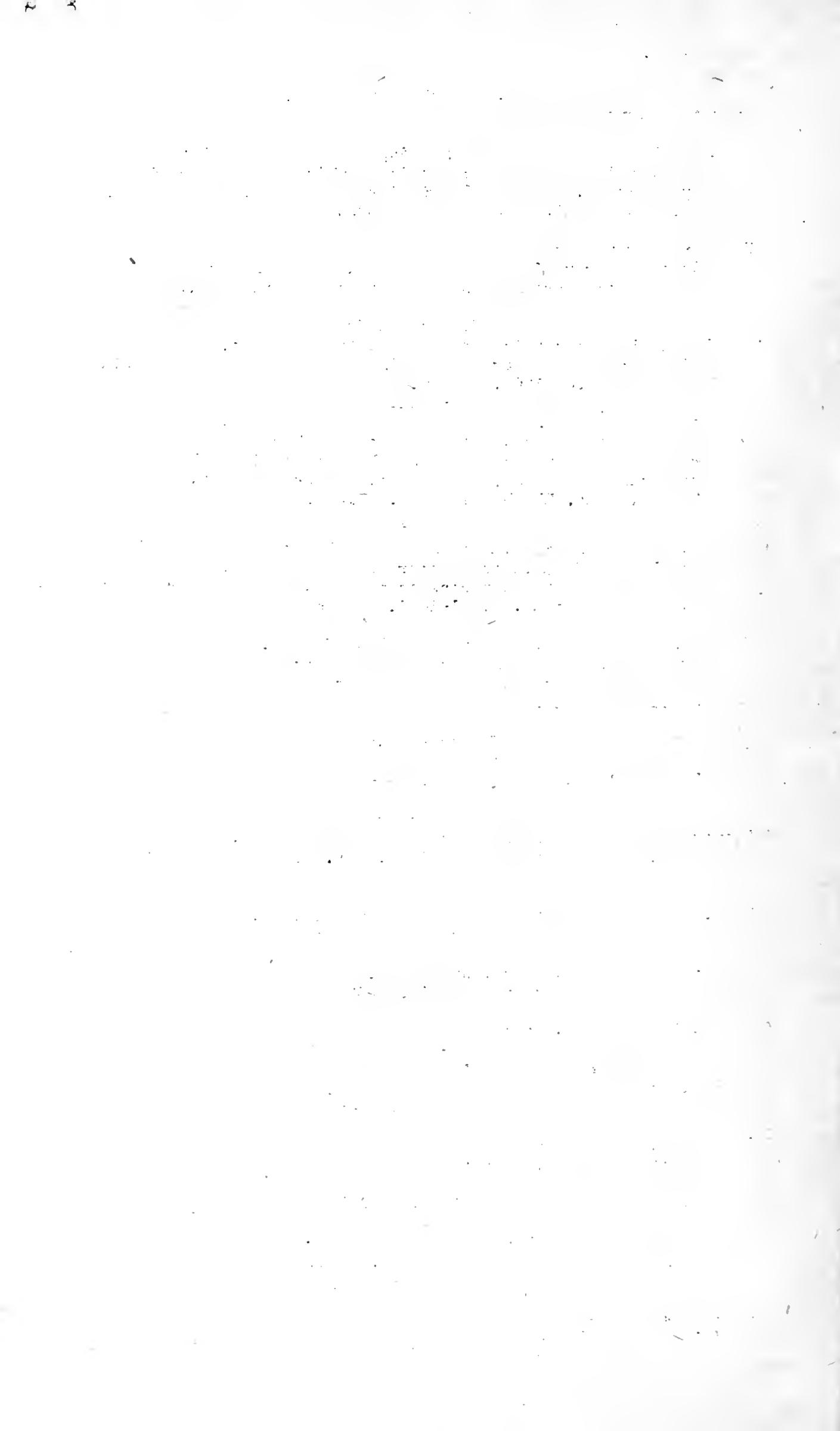
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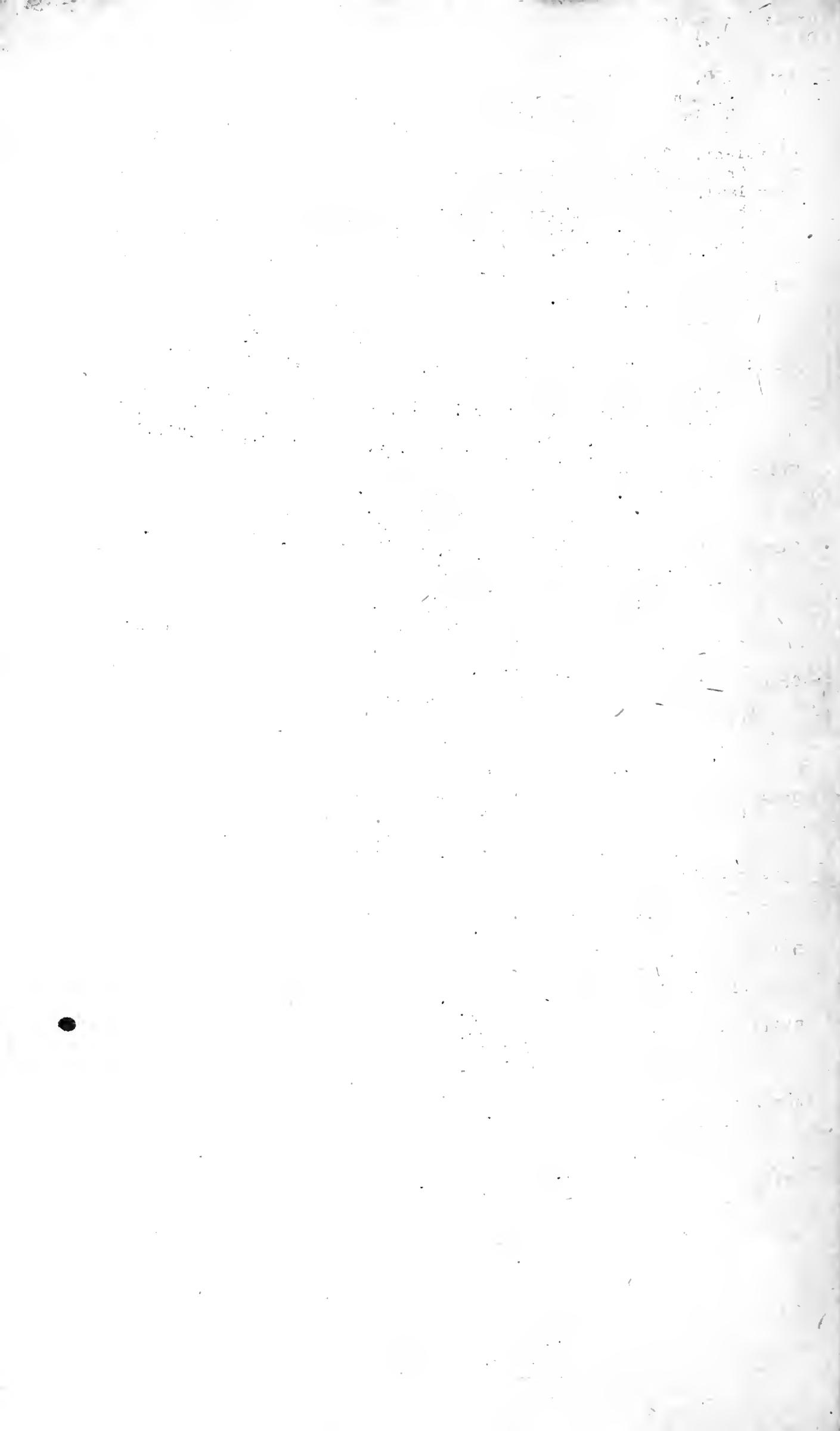
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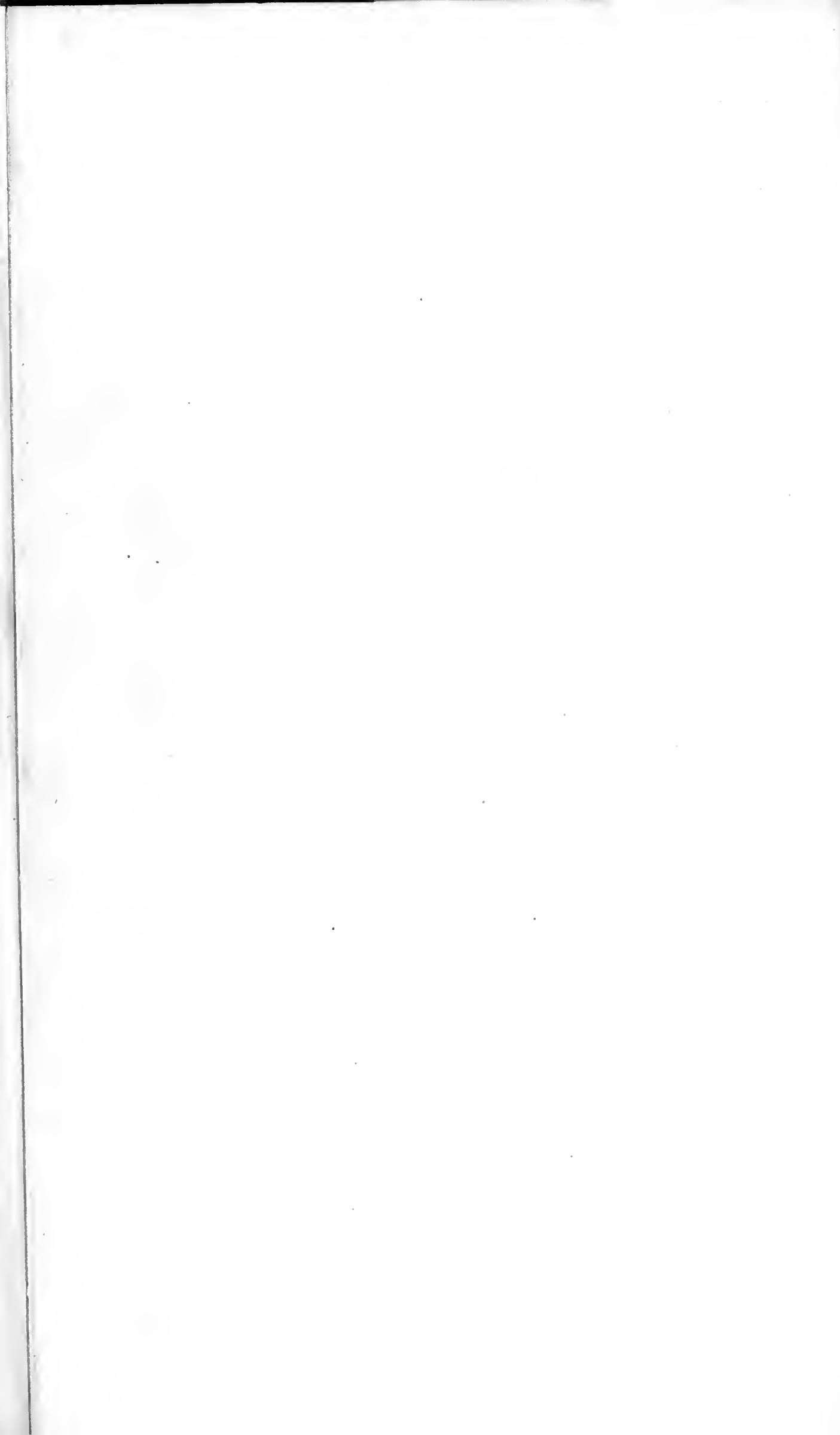
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